

Card Front (Image)

Type I Error (α) - "False Positive"

.....

Definition:

Occurs when you REJECT the Null Hypothesis (H■)

when H■ is actually TRUE.

You conclude an effect/difference exists, but it doesn't.

Probability:

- Denoted by α (alpha).
- This is the significance level set by the researcher (e.g., 5.0%).
- The shaded red area in the plot under H■.

Example:

A medical test incorrectly indicates a healthy person has a disease.

Card Back (Text)